

APPLICATION FOR UNITED STATES LETTERS PATENT

2 ON INVENTION FOR:

3 DEVICE FOR PREVENTING UNINTENTIONAL REMOVAL OF AN END OF A  
4 GUITAR STRAP FROM AN ENLARGED GUITAR STRAP PEG OF A GUITAR

5 BY INVENTOR: Bruce L. Warden

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7 Agt. Doc. No.: WARBI0A

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9 RICHARD L. MILLER

10 REGISTERED PATENT AGENT

11 12 PARKSIDE DRIVE

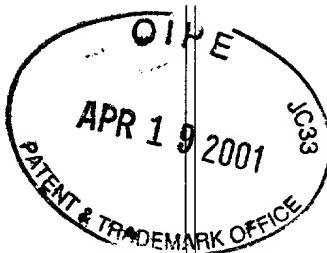
12 DIX HILLS, NEW YORK 11746-4879

13 PHONE: (631) 499-4343

14 \*\*\*\*\*

15 TO ALL WHOM IT MAY CONCERN:

16 BE IT KNOWN that I, Bruce L. Warden,  
17 a citizen of THE UNITED STATES OF AMERICA and resident of:  
18 Rockford, IL 61107  
19 have invented certain new and useful improvements in a(n):  
20 DEVICE FOR PREVENTING UNINTENTIONAL REMOVAL OF AN END OF A  
21 GUITAR STRAP FROM AN ENLARGED GUITAR STRAP PEG OF A GUITAR  
22 of which the following is a full, clear, concise and exact  
23 description:



1 Inventor: Bruce L. Warden  
2 Invention: DEVICE FOR PREVENTING UNINTENTIONAL REMOVAL OF AN END OF A  
3 GUITAR STRAP FROM AN ENLARGED GUITAR STRAP PEG OF A GUITAR  
4 DOC. No.: WARBI0A

5 BACKGROUND OF THE INVENTION

6 Field of the Invention:

7 The present invention relates to a guitar. More particularly, the  
8 present invention relates to a device for preventing unintentional removal  
9 of a slot in an end of a guitar strap from an engaged guitar strap peg of  
10 a guitar.

11 Description of the Prior Art:

12 Numerous innovations for guitar strap related devices have been  
13 provided in the prior art that will be described. Even though these  
14 innovations may be suitable for the specific individual purposes to which  
15 they address, however, they differ from the present invention.

16 A FIRST EXAMPLE, U.S. Patent No. Des. 293,687 to Nichols teaches the  
17 ornamental design for a retaining button for a guitar strap.

18 A SECOND EXAMPLE, U.S. Patent No. 3,894,464 to Brooks teaches an  
19 improved musical instrument strap attaching, holding, and supporting  
20 device and method for supporting, for example, guitars by slotted straps  
21 utilizing uniquely shaped and designed retaining devices. The novel  
22 attaching, holding and supporting device is usually located at the bottom  
23 end of the guitar body for all types of guitars and also near the neck of  
24 the guitar for electric guitars. The device includes an attachment wedge,  
25 usually a screw for electric guitars or wooden wedge for either "F hole"  
26 or folk or classic guitars, and a central stem portion which is  
27 cylindrical in shape which mates with the attachment wedge on one end and  
28 a strap retaining head on the other end. The strap retaining head is

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1 elongated at one end, forming a generally isosceles triangular shape with  
2 curved corners, similar to that of a plectrum, and has a hemispherical  
3 projection on its inner side facing the guitar body the combination being  
4 used to support the body of the guitar by a shoulder strap or sling placed  
5 between the guitar body and the strap retainer and connected by friction  
6 and weight to the shoulder of the person playing the guitar and, in the  
7 case of "F Hole" or folk or classic guitars, to the neck of the guitar by  
8 other means such as a string. The elongated tip of the retaining head is  
9 initially inserted into the slit of the strap in a lateral direction and  
10 then rotated 90 degrees. The longest dimension of the retainer head is  
11 preferably greater than the length of the slit, and the distance between  
12 the tip of the hemispherical projection and the bottom of the central stem  
13 is preferably less than the thickness of the strap.

14 A THIRD EXAMPLE, U.S. Patent No. 4,271,999 to Stravitz teaches a  
15 guitar strap connector that comprises a body member having a slot for  
16 connection of a guitar strap thereto; a generally keyhole-shaped opening  
17 in the body member, the keyhole-shaped opening comprising first and second  
18 holes having a passageway therebetween, the first hole being larger than  
19 the second hole; and a pair of resilient spring-like members integral with  
20 the body member and adjacent at least the passageway on respective  
21 opposite sides of the passageway, the spring-like members being bowed  
22 toward each other and each having a respective void space therebehind to  
23 permit the spring-like members to flex away from each other into the void  
24 spaces to permit a button connector of a guitar to be passed from the  
25 larger hole resiliently through the passageway and into the smaller hole  
26 wherein the button connector is engaged. Preferably, the body member is  
27 integrally formed of resilient plastic material such as polypropylene.

28 A FOURTH EXAMPLE, U.S. Patent No. 4,993,127 to Mecham et al. teaches  
29 a device for locking a guitar strap to a guitar that has a slotted base  
30 with one slot for receiving a guitar strap through it, and a second slot  
31 for mounting to the strap peg on the guitar. The second slot is keyhole  
32 shaped and has an entry portion and a retaining portion, the entry portion

1 being large enough to receive the head of the peg, and the retaining  
2 portion being narrow enough to prevent the peg head from passing through  
3 it. A slot blocking lid is hinged to the base and pivotable about the  
4 hinge to close so that the entry portion of the slot can be blocked when  
5 the peg has been received in the retaining portion of the slot. A  
6 retainer strap is secured to the base at one end remote from the hinge,  
7 and extends through a slot in the lid, also remote from the hinge, and  
8 fastened by a snap fastener adjacent the hinge to hold the slot blocker  
9 lid in locking position until the retainer strap is intentionally  
10 released. The arrangement of the retainer strap is such that it has a  
11 very large mechanical advantage impeding the inadvertent release thereof.

12 A FIFTH EXAMPLE, U.S. Patent No. 5,868,293 to D'Addario et al.  
13 teaches a quick release musical instrument strap attachment device  
14 comprising a strap attachment unit which comprises a female receiving  
15 quick release portion having base portion and a hollow body portion for  
16 receiving and locking a male quick release portion and a first cord having  
17 both ends thereof attached to the base portion of the female quick release  
18 portion to form a loop and a musical instrument attachment unit comprising  
19 a male quick release insertion unit which comprises a base portion and an  
20 insertion means adapted for insertion and locking into the hollow body  
21 portion of the female receiving quick release portion and a second cord  
22 having both ends thereof attached to the base portion of the male  
23 receiving quick release portion to form a loop. The strap attachment unit  
24 being attachable to a strap and the musical instrument attachment unit  
25 being attachable to a musical instrument.

26 A SIXTH EXAMPLE, U.S. Patent No. 5,880,384 to Beck teaches a  
27 shoulder strap of an acoustic guitar or similar stringed instrument that  
28 is attached to the neck of the instrument through an attachment device  
29 including a looped portion which extends beneath the strings along one  
30 side of the neck, and across the bottom of the neck, and along the  
31 opposite side of the neck to be joined to the end portion adjacent the top  
32 edge of the neck. The fastener joins the end portions together, and is

1 provided with a stem and a head over which the slotted end of the guitar  
2 strap may be manipulated to rest on the stem and be retained on the  
3 fastener by the head.

4 It is apparent that numerous innovations for guitar strap related  
5 devices have been provided in the prior art that are adapted to be used.  
6 Furthermore, even though these innovations may be suitable for the  
7 specific individual purposes to which they address, however, they would  
8 not be suitable for the purposes of the present invention as heretofore  
9 described.

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## SUMMARY OF THE INVENTION

ACCORDINGLY, AN OBJECT of the present invention is to provide a device for preventing unintentional removal of a slot in an end of a guitar strap from an engaged guitar strap peg of a guitar that avoids the disadvantages of the prior art.

ANOTHER OBJECT of the present invention is to provide a device for preventing unintentional removal of a slot in an end of a guitar strap from an engaged guitar strap peg of a guitar that is simple and inexpensive to manufacture.

STILL ANOTHER OBJECT of the present invention is to provide a device for preventing unintentional removal of a slot in an end of a guitar strap from an engaged guitar strap peg of a guitar that is simple to use.

BRIEFLY STATED, STILL YET ANOTHER OBJECT of the present invention is to provide a device for preventing unintentional removal of a guitar strap from a guitar strap peg. The device includes a body for positioning on the guitar strap peg, outboard of the guitar strap. The body is disk-shaped and has a periphery, a throughbore extending centrally therethrough, and a throughslot communicating with the throughbore therein and the periphery thereof, and is for allowing the neck of the guitar strap peg to slide therein, and into the throughbore, and when therein, one surface of the body is wedged against the head of the guitar strap peg, and an opposing surface of the body wedges the guitar strap against the guitar, and when doing so, prevents the slot in the guitar strap from escaping past the head of the guitar strap peg, and in doing so, prevents the guitar strap from being unintentionally removed from the guitar strap peg.

The novel features which are considered characteristic of the present invention are set forth in the appended claims. The invention itself, however, both as to its construction and its method of operation, together with additional objects and advantages thereof, will be best

1 understood from the following description of the specific embodiments when  
2 read and understood in connection with the accompanying drawing.

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BRIEF DESCRIPTION OF THE DRAWING

The figures of the drawing are briefly described as follows:

FIGURE 1 is a diagrammatic perspective view of the present invention in use;

FIGURE 2 is an enlarged diagrammatic perspective view of the area generally enclosed by the dotted curve identified by arrow 2 in figure 1;

FIGURE 3 is an enlarged diagrammatic cross sectional view taken on line 3-3 in figure 2;

FIGURE 4 is a diagrammatic plan view of the area generally enclosed by the dotted curve identified by arrow 4 in figure 3 of a first embodiment of the present invention;

FIGURE 5 is an enlarged diagrammatic cross sectional view taken on line 5-5 in figure 4; and

FIGURE 6 is a diagrammatic plan view of the area generally enclosed by the dotted curve identified by arrow 6 in figure 3 of a second embodiment of the present invention.

1                   LIST OF REFERENCE NUMERALS UTILIZED IN THE DRAWING

2                   First Embodiment

3       10   device of present invention for preventing unintentional removal  
4        of slot 11 in end 12 of guitar strap 14 from engaged guitar strap  
5        peg 16 of guitar 18  
6       11   slot in end 12 of guitar strap 14 of guitar 18  
7       12   end of guitar strap 14 of guitar 18  
8       14   guitar strap of guitar 18  
9       16   engaged guitar strap peg 16 of guitar 18  
10      18   guitar  
11      20   neck of engaged guitar strap peg 16 of guitar 18  
12      22   end of neck 20 of engaged guitar strap peg 16 of guitar 18  
13      24   head of engaged guitar strap peg 16 of guitar 18  
14      26   body for positioning on guitar strap peg 16 of guitar 18, outboard  
15      of guitar strap 14 of guitar 18  
16      28   center of body 26  
17      30   periphery of body 26  
18      32   first surface of body 26 for abutting against head 24 of engaged  
19      guitar strap peg 16 of guitar 18  
20      34   second surface of body 26 for abutting against, and overpassing,  
21      slot 11 in end 12 of guitar strap 14 of guitar 18  
22      36   throughbore through body 26 for receiving neck 20 of engaged  
23      guitar strap peg 16 of guitar 18  
24      38   perimeter of throughbore 36 through body 26  
25      40   chord of throughbore 36 through body 26  
26      42   ends of chord 40 of throughbore 36 through body 26  
27      44   throughslot through body 26 for allowing neck 20 of engaged guitar  
28      strap peg 16 of guitar 18 to slide therein, and into throughbore  
29      36 in body 26  
30      46   pair of edges defining throughslot 44 through body 26

## Second Embodiment

2 110 device of present invention for preventing unintentional removal  
3 of slot 11 in end 12 of guitar strap 14 from engaged guitar strap  
4 peg 16 of guitar 18

5 126 body

6 128 throughbore through body 126

7 130 periphery of body 126

8 140 chord of throughbore 128 through body 126

9 142 ends of chord 140 of throughbore 128 through body 126

10 144 throughslot through body 126

11 146 pair of edges 146 defining throughslot 144 through body 126

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**RICHARD L. MILLER  
REGISTERED PATENT AGENT  
12 PARKSIDE DRIVE  
DIX HILLS, NY 11746  
(631) 499-4313**

#### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring now to the figures, in which like numerals indicate like parts, and particularly to figures 1 and 2, the device of the present invention is shown generally at 10 for preventing unintentional removal of a slot 11 in an end 12 of a guitar strap 14 from an engaged guitar strap peg 16 of a guitar 18.

The engaged guitar strap peg 16 of the guitar 18 has a neck 20 that extends from the guitar 14, to an end 22, and has a contour and a thickness.

The engaged guitar strap peg 16 of the guitar 18 further has a head 24 that extends radially outwardly from the end 22 of the neck 20 thereof.

The configuration of a first embodiment of the device 10 can best be seen in figures 3-5, and as such, will be discussed with reference thereto.

The device 10 comprises a body 26 for positioning on the guitar strap peg 16 of the guitar 18, outboard of the guitar strap 14 of the guitar 18 and for preventing unintentional removal of the slot 11 in the end 12 of the guitar strap from the engaged guitar strap peg of the guitar.

The body 26 is disk-shaped.

The body 26 has a center 28, a periphery 30, a first surface 32 that is circular-shaped and is for abutting against the head 24 of the engaged guitar strap peg 16 of the guitar 18, and a second surface 34 that is circular-shaped, disposed oppositely to the first surface 32 thereof, and is for abutting against, and overpassing, the slot 11 in the end 12 of the guitar strap 14 of the guitar 18.

The body 26 further has a throughbore 36 that is circular-shaped, has a diameter, a perimeter 38, and a chord 40 with a length and ends 42 that intersect the perimeter 38 of the throughbore 36 in the body 26.

1        The diameter of the throughbore 36 in the body 26 is for being  
2 slightly greater than the thickness of the engaged guitar strap peg 16 of  
3 the guitar 18.

4        The length of the chord of the throughbore 36 in the body 16  
5 relative to the thickness of the engaged guitar strap peg 16 of the guitar  
6 18 is such so as to allow the engaged guitar strap peg 16 of the guitar 18  
7 to slide snugly therepast.

8        The throughbore 36 in the body 26 extends through the center 28  
9 thereof, from the first surface 32 thereof, to the second surface 34  
10 thereof, and is for receiving the neck 20 of the engaged guitar strap peg  
11 16 of the guitar 18.

12       The body 26 further has a throughslot 44 that communicates with the  
13 throughbore 36 therein and the periphery 30 thereof, and is for allowing  
14 the neck 20 of the engaged guitar strap peg 16 of the guitar 18 to slide  
15 therein, and into the throughbore 36 in the body 26, and when in the  
16 throughbore 36 in the body 26, the first surface 32 of the body 26 is  
17 wedged against the head 24 of the engaged guitar strap peg 16 of the  
18 guitar 18, and the second surface 34 of the body 26 wedges the guitar  
19 strap 14 of the guitar 18 against the guitar 18, and when doing so,  
20 prevents the slot 11 in the end 12 of the guitar strap 14 of the guitar 18  
21 from escaping past the head 24 of the engaged guitar strap peg 16 of the  
22 guitar 18, and in doing so, prevents the guitar strap 14 of the guitar 18  
23 from being unintentionally removed from the engaged guitar strap peg 16 of  
24 the guitar 18.

25       The throughslot 44 in the body 26 is defined by a pair of edges 46  
26 that equidistantly straddle a radius of the body 26, are straight, oppose  
27 each other, and extend radially outwardly from the pair of ends of the  
28 chord 40 of the throughbore 28 in the body 26, respectively, to the  
29 periphery 30 of the body 26, where they are rounded for facilitating  
30 original engagement with the engaged guitar strap peg 16 of the guitar 18  
31 and for eliminating guitar strap peg damaging sharp points.

1        The perimeter 38 of the throughbore 28 in the body 26 is slightly  
2        beveled completely therearound, on the first surface 32 of the body 26,  
3        for conforming to the contour of the neck 20 of the engaged guitar strap  
4        peg 16 of the guitar 18 so as to provide a snugger fit and for eliminating  
5        a guitar strap peg damaging sharp edge.

6        The throughslot 44 in the body 26 is rectangular-shaped, and the  
7        pair of edges 46 thereof are parallel to each other and spaced-apart from  
8        each other a distance for allowing the engaged guitar strap peg 16 of the  
9        guitar 18 to slide snugly therebetween, and as a result thereof, allows  
10      the device 10 to engage the engaged guitar strap peg 16 of the guitar 18  
11      when the engaged guitar strap peg 16 of the guitar 18 is not in the  
12      throughbore 28 in the body 26 so as to prevent the device 10 from jumping  
13      off the engaged guitar strap peg 16 of the guitar 18.

14      A second embodiment of the device 110 can best be seen in figure 6,  
15      and as a result thereof, will be discussed with reference thereto.

16      The device 110 is similar to the device 10, except that:

- 17      1. The throughslot 144 in the body 126 is isosceles-triangular-shaped.
- 18      2. The pair of edges 146 of the throughslot 144 in the body 126  
19        divergently straddle the radius of the body 126, and extend radially  
20        outwardly from the ends 142 of the chord 140 of the throughbore 128  
21        in the body 126, respectively, divergently to the periphery 130 of  
22        the body 126 for facilitating engagement of the throughslot 144 in  
23        the body 126 with the engaged guitar strap peg 16 of the guitar 18.

24      It will be understood that each of the elements described above, or  
25      two or more together, may also find a useful application in other types of  
26      constructions differing from the types described above.

27      While the invention has been illustrated and described as embodied  
28      in a device for preventing unintentional removal of a slotted end of a  
29      guitar strap from an engaged guitar strap peg of a guitar, however, it is  
30      not limited to the details shown, since it will be understood that various  
31      omissions, modifications, substitutions and changes in the forms and  
32      details of the device illustrated and its operation can be made by those

1 skilled in the art without departing in any way from the spirit of the  
2 present invention.

3 Without further analysis, the foregoing will so fully reveal the  
4 gist of the present invention that others can, by applying current  
5 knowledge, readily adapt it for various applications without omitting  
6 features that, from the standpoint of prior art, fairly constitute  
7 characteristics of the generic or specific aspects of this invention.

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